

Attorney's Docket No. 035721/267665

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re: Vodyanoy et al. Confirmation No.: 4229
Appl. No.: 10/674,750 Art Unit: 1645
Filed: September 30, 2003 Examiner: Not Assigned
For: METHOD OF ISOLATION AND SELF-ASSEMBLY OF
SMALL PROTEIN PARTICLES FROM BLOOD AND
OTHER BIOLOGICAL MATERIALS

Mail Stop: Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**CONCISE EXPLANATION OF RELEVANCE
FOR NON-ENGLISH LANGUAGE
INFORMATION DISCLOSURE STATEMENT
CITATION UNDER 37 C.F.R. § 1.98A(3)**

Sir:

Attached is an Information Disclosure Statement, along with a list of documents on form PTO-1449. An English Language translation has not been obtained for Citation No. 11, Gerner C., "Biochemische Analyse endobiontischer Strukturen aus dem menschlichen Blut," *Curriculum Oncologicum* 01, Jan. 7, 1997.

Applicants respectfully request that this reference be considered in light of the following explanation of relevance as it is presently understood by the undersigned individual designated in 37 CFR 1.56(c):

The reference describes the biochemical investigation of microscopic bodies observed by darkfield microscopy of blood preparations. These bodies were first described in Enderlein, G., *Bakterien-Cyclogenie*, Verlag de Gruyter & Co, 1925. The bodies observed in these dark field images are associated with malignant illnesses. Globin represents the main protein portion of these bodies.

Respectfully submitted,

Eric J. Kron

Registration No. 45,941

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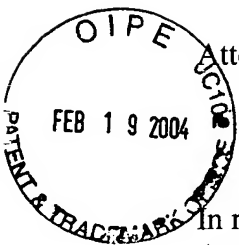
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CERTIFICATE OF MAILING

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Nora C. Martinez



Attorney's Docket No. 035721/267665

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**INFORMATION DISCLOSURE STATEMENT
CITATION UNDER 37 C.F.R. § 1.97**

Sir:

Attached is a list of documents on form PTO-1449 together with a copy of each identified document.

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

Respectfully submitted,

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Nora C. Martinez

Substitute for form 1449/PTO
(Revised 04/2003)

FEB 19 2004

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/674,750
Filing Date	September 30, 2003
First Named Inventor	Vodyanoy et al.
Group Art Unit	1645
Examiner Name	Not Yet Assigned
Attorney Docket Number	035721/267665

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached

OTHER DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
	1	AGUZZI, A., "Prion diseases, blood and the immune system: concerns and reality," <i>Haematologica</i> , Jan. 2000, pp. 3-10, Vol. 85, No. 1	
	2	AGUZZI, A., "Blood simple prion diagnostics," <i>Nature Medicine</i> , March 2001, pp. 289-290, Vol. 7, No. 3	
	3	AIKEN III, J. D. & FINKE, R. G, "A review of modern transition-metal nanoclusters: their synthesis, characterization, and applications in catalysis," <i>Journal of Molecular Catalysis A: Chemical</i> , 1999, pp. 1-44, Vol. 145	
	4	ATTWOOD, T. K., "Metals in prion disease," <i>Trends in Biotechnology</i> , June 2002, p. 235, Vol. 20, No. 6	
	5	BROWN, P., et al., "Blood infectivity and the prospects for a diagnostic screening test in Creutzfeldt-Jakob disease," <i>J. Lab. Clin. Med.</i> , 2001, pp. 5-13, Vol. 137	
	6	BUSH, A.I., "Metals and neuroscience," <i>Current Opinions in Chemical Biology</i> , 2000, pp. 184-191, Vol. 4	
	7	BUSH, A. I., et al., "Rapid induction of Alzheimer A beta amyloid formation by zinc," <i>Science</i> , Sep. 1994, pp. 1464-1467, Vol. 265, No. 5177	

Examiner
Signature

Date
Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449/PTO (Revised 04/2003) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/674,750
				Filing Date	September 30, 2003
				First Named Inventor	Vodyanoy et al.
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Sheet	2	of	2	Attorney Docket Number	035721/267665

OTHER DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached	
	8	BUSH, A. I., "Metal complexing agents as therapies for Alzheimer's disease," <i>Neurobiology of Aging</i> , 2002, pp. 1031-1038, Vol. 23		
	9	CAMPBELL, A., et al., "Mechanisms by which metals promote events connected to neurodegenerative diseases," <i>Brain Research Bulletin</i> , 2001, pp.125-132, Vol. 55, No. 2		
	10	CARREL, R.W., & LOMAS, D.A., "Conformational disease," <i>Lancet</i> , July 12, 1997, pp. 134-138, Vol. 350		
	11	GERNER, C., "Biochemische Analyse endobiontischer Strukturen aus dem menschlichen Blut," ["Biochemical Analysis of Endobiontic Structures from Human Blood"] <i>Curriculum Oncologicum</i> 01, Jan. 7, 1997	No	
	12	HARPER, J. D. & LANSBURY, P. T., Jr., "Models of amyloid seeding in Alzheimer's disease and scrapie: mechanistic truths and physiological consequences of the time-dependent solubility of amyloid proteins," <i>Ann. Rev. Biochem.</i> , 1997, pp. 385-407, Vol. 66		
	13	LEHMANN, S., "Metal ions and prion diseases," <i>Current Opinion in Chemical Biology</i> , 2002, pp. 187-192, Vol. 6		
	14	LIU, C. & XU, H., "The metal site as a template for the metalloprotein structure formation," <i>Journal of Inorganic Biochemistry</i> , 2002, pp. 77-86, Vol. 88		
	15	RHODES, E., et al., "Aggregation of an amyloidogenic fragment of human islet amyloid polypeptide," <i>Biochemica et Biophysica Acta</i> , 2000, pp. 230-238, Vol. 1476		
	16	SABORIO, G. P., et al., "Sensitive detection of pathological prion protein by cyclic amplification of protein misfolding," <i>Nature</i> , June 14, 2001, pp. 810-813, Vol. 411		
	17	SOTO, C., et al., "Cyclic amplification of protein misfolding: application to prion-related disorders and beyond," <i>Trends in Neurosciences</i> , Aug. 2002, pp. 390-394, Vol. 25, No. 8		
	18	THACKRAY, A. M., et al., "Metal imbalance and compromised antioxidant function are early changes in prion disease," <i>Biochem. J.</i> , 2002, pp. 253-258, Vol. 362		

RTA01/2148534v1

Examiner Signature		Date Considered	
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